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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT.

(PCT Article 36 and Rule 70)

FOR FURTHER ACTION See Notif	ication of Transmittal of International y Examination Report (Form PCT/IPEA/416)	
International filing date (day/month/year) 10 JULY 2000	Priority date (day/month/year) 22 JULY 1999	
or national classification and IPC C 28/00 and US Cl.: 378/34		

Inte		International filing date (	dav/month/year)	Priority date (day/month/year)	
International application No.			<i>,</i>	22 JULY 1999	
PCT/US00/18798 10 JULY 2000			22 1021 1777		
International Patent C IPC(7): G21K 5/00	lassification (IPC); C23C 14/02; C23	or national classification as 3C 28/00 and US Cl.: 378	nd IPC 3/34 		
Applicant CORNING INCORP	PORATED				
Examining  2. This REPO  This representation to the property of the property o	Authority and is RT consists of a	total of sheets.  panied by ANNEXES, i.e. the basis for this report and/tion 607 of the Administration	., sheets of the desc	ription, claims and/or drawings which have grectifications made before this Authority.	
3. This report c	ontains indication	ns relating to the follow	ing items:		
3. This report contains indications relating to the following items:    I   X   Basis of the report					
Date of submission of the demand			Date of completion	on of this report	

Date of submission of the demand	Date of completion of this report	
12 JANUARY 2001	16 FEBRUARY 2001	
Name and mailing address of the IPEA/US  Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer Sharm J. Home	
Facsimile No. (703) 305-3230	Telephone No. (703) 305-6464	

Applicant's or agent's file reference

SP00-191

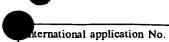


aernational	application	No.	

PCT/US00/18798

I. Ba	sis of t	he report		
1. With	regard to	o the elements of the interna	ational application:*	
		ernational application as		
믕	the des	eription:		
x				, as originally filed
	pages	NONE		
	pages	NONE	, filed with the letter of	
[]	the cla	ime:		
X	pages			, as originally filed
	pages .		, as amended (together with any	
	pages	NONE		, filed with the demand
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	tha dea	wings:		
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$\mathbf{x}$	-	uence listing part of the d	lescription:	1-111 C1-4
	pages	NONE		, as originally filed
	pages .	NONE	Cl. L. id. d. Lange	_ , filed with the demand
	pages .	NONE	, filed with the letter of	<del></del>
	the lan	guage of publication of	urnished for the purposes of international search ( the international application (under Rule 48.3(b)) nished for the purposes of international preliminary ex-	).
3. Wi	or 55.3) th regard climinary	d to any nucleotide and/o	or amino acid sequence disclosed in the international dout on the basis of the sequence listing:	al application, the international
	contair	ned in the international a	application in printed form.	
	filed to	gether with the internat	ional application in computer readable form.	
H			Authority in written form.	
		- · · · · · · · · · · · · · · · · · · ·	Authority in computer readable form.	
	The sta	stement that the subseque	ntly furnished written sequence listing does not go	beyond the disclosure in the
	The sta	tional application as filed tement that the information	n recorded in computer readable form is identical to the	ne writen sequence listing has
	_	rnished.	d in the concellation of	
4. X		mendments have resulted		
		the description, pages	NONE	
		the claims, Nos.	NONE	
		the drawings, sheets <del>/fig</del>		
5.	This re	eport has been drawn as if (	(some of) the amendments had not been made, since th	ey have been considered to go
in t	lacement his repo ! 70.17).	sheets which have been furn rt as "originally filed" and	s indicated in the Supplemental Box (Rule 70.2(c)).** sished to the receiving Office in response to an invitation to the receiving of the response to an invitation to the report since they do not continue the continue they do not continue t	ant amenaments (Rutes 70.10
**An	y replace	ement sheet containing such	h amendments must be referred to under item 1 and a	nnexed to this report.





PCT/US00/18798

Novelty (N)	Claims	1-43	Y
• •	Claims	NONE	N
Inventive Step (IS)	Claims	1-43	Y
1 ( )	Claims	NONE	
	Claims	1.43	V
Industrial Applicability (IA)	Claims	1-43 NONE	
a Ti doped high purity SiO2 glass lithograph			

A CTACC	TETO A MICONI COR COMPANIA					
A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) :G21K 5/00; C23C 14/02; C23C 28/00						
US CL :378/34						
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED						
	umentation searched (classification system follow	ad by the size of				
	8/34, 250/490, 430/198	ed by classification symbols)				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE						
	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO APS EAST					
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.			
A L	US 4,184,078 A (NAGEL et al.) 15 Abstract, Figs. 1-2, and column 2, li	5 January 1980 (15.01.1980), ne 18-30.	1-32			
A [1	US 5,686,728 A (SHAFER) 11 November 1997 (11.11.1997), Fig. 1-32 1, column 1, line 43, and column 3, lines 48-66.					
	EP 0349925 A1 (TURWITT et al.) 1 Abstact.	0 January 1990 (10.01.1990),	1-32, 39-43			
	JS 4,732, 838 A (SECHI et al.) 2. Abstract.	2 March 1988 (22.03.1988),	33-38			
	·					
Further d	documents are listed in the continuation of Box C	. See patent family annex.	·			
Special	categories of cited documents:	"T" later document published after the inter	national filing date or priority			
"A" docume to be of	ent defining the general state of the art which is not considered f particular relevance	date and not in conflict with the applicat principle or theory underlying the inve	ntion but cited to understand the			
	document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	claimed invention cannot be			
cited to	m which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other	when the document is taken alone				
	document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents such combinations.					
document published prior to the international filing date but later than "&" document member of the same patent family						
Date of the actual completion of the international search  Date of mailing of the international search report						
11 SEPTEMBER 2000 1 7 OCT 2000						
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